

What is claimed:

1 1. A reclosable bag for filling with at least one food
2 product, said reclosable bag comprising: at least one sheet
3 of web material including at least two areas of structural
4 weakness, having at least one fold structure located between
5 and defined by said two areas of structural weakness, and
6 an opening located generally opposite said fold structure;
7 a reclosable fastener structure including a skirt structure
8 of skirt web material extending therefrom; said skirt
9 structure including a distal margin; said distal margin
10 being coupled to said web material at, at least one location
11 between said areas of structural weakness and said opening;
12 said reclosable fastener structure extending past said areas
13 of structural weakness and into said fold structure; said
14 reclosable bag capable of being filled with at least one
15 food product through said opening.

1 2. The reclosable bag of claim 1 wherein the skirt web
2 material is integral to the reclosable fastener structure.

1 3. The reclosable bag of claim 1 wherein the skirt web
2 material is coupled to the reclosable fastener structure.

1 4. The reclosable bag of claim 1 wherein the integral
2 skirt includes an outside surface and an inside surface; the
3 distal margin being located on the outside surface; the
4 inside surface including predetermined area having a
5 releasable adhesive material thereon; whereby a peelable
6 seal may be formed.

1 5. The reclosable bag of claim 4 wherein the peelable
2 seal, when formed, is hermetic.

1 6. The reclosable bag of claim 1 wherein said web
2 material of said reclosable bag is substantially comprised
3 of a sheet of a parent film material having predetermined
4 dimensions.

1 7. The parent film material of claim 6 wherein the areas
2 of structural weakness are integral to said parent film.

1 8. The reclosable bag of claim 1 wherein said areas of
2 structural weakness extend linearly across a predetermined
3 dimension of said sheet of web material.

1 9. The reclosable bag of claim 8 wherein the
2 predetermined dimension is width.

1 10. The reclosable bag of claim 8 wherein the
2 predetermined dimension is length.

1 11. The reclosable bag of claim 1 wherein said areas of
2 structural weakness extend nonlinearly across a
3 predetermined dimension of said sheet of said web material.

1 12. The reclosable bag of claim 11 wherein the
2 predetermined dimension is width.

097425-013091
FOOT 524260

1 13. The reclosable bag of claim 11 wherein the
2 predetermined dimension is length.

1 14. The reclosable bag of claim 1 wherein said areas of
2 structural weakness extend across a predetermined dimension
3 of said sheet of web material in a predetermined pattern.

1 15. The reclosable bag of claim 1 wherein said areas of
2 structural weakness comprise perforations.

1 16. The reclosable bag of claim 1 wherein said areas of
2 structural weakness comprise scoring.

1 17. The reclosable bag of claim 1 wherein said areas of
2 structural weakness comprise microperforations.

1 18. The reclosable bag of claim 1 wherein said sheet of
2 web material is comprised of a multiple laminate film.

1 19. The reclosable bag of claim 18 wherein said multiple
2 laminate film includes at least one layer of material
3 comprising a tear path.

1 20. The reclosable bag of claim 19 wherein said tear path
2 is hermetic.

1 21. A reclosable bag for filling with at least one food
2 product, said reclosable bag comprising: at least one sheet
3 of web material including a first area of structural
4 weakness and a second area of structural weakness; said
5 sheet of web material including at least one fold structure
6 located between and defined by said first and second areas
7 of structural weakness, and a fill opening; said sheet of
8 web material including a first panel coupled to said fold
9 structure adjacent said first area of structural weakness
10 and a second panel coupled to said fold structure adjacent
11 said second area of structural weakness; a reclosable
12 fastener structure including a male track structure and a
13 female track structure; said male track structure including
14 a first fin structure of web material extending therefrom
15 and said female track structure including a second fin
16 structure of web material extending therefrom; each said fin
17 structure including a predetermined coupling portion; said
18 coupling portion of said first fin structure being coupled
19 to said first panel and said coupling portion of said second
20 fin structure being coupled to said second panel; said
21 reclosable fastener structure extending past said areas of
22 structural weakness and into said fold structure; said areas
23 of structural weakness being located below said reclosable
24 fastener structure; said reclosable bag capable of being
25 filled with at least one food product through said fill
26 opening.

1 22. The reclosable bag of claim 21 wherein said areas of
2 structural weakness are hermetic.

1 23. The reclosable bag of claim 21 wherein said fill
2 opening is located generally opposite said fold structure.

1 24. The reclosable bag of claim 21 wherein said first fin
2 structure is larger than said second fin structure.

09/24/2004 10:00:00

1 25. The reclosable bag of claim 21 wherein said first fin
2 structure and said second fin structure each include a
3 distal margin; said distal margins facing each other and at
4 least one distal margin being coated with a releasable
5 adhesive material.

1 26. The reclosable bag of claim 25 wherein said distal
2 margins are releasably coupled to each other by said
3 releasable adhesive material.

1 27. The reclosable bag of claim 25 wherein at least one
2 said distal margin is coated with said releasable adhesive
3 material and said distal margin is coupled to a
4 predetermined portion of said web material.

1 28. The reclosable bag of claim 21 wherein said first fin
2 structure and said second fin structure are integral to each
3 other and include a predetermined area of structural
4 weakness located between said coupling portion of said first
5 fin structure and said coupling portion of said second fin
6 structure.

1 29. A reclosable bag for filling with at least one food
2 product, said reclosable bag comprising: at least one sheet
3 of web material, at least one tear tape structure, at least
4 one fold structure, and an opening located generally
5 opposite said fold structure; a reclosable fastener
6 structure including at least one integral skirt structure
7 of skirt web material extending therefrom; said integral
8 skirt structure including at least one distal margin; said
9 distal margin being coupled to said web material at, at
10 least one location between said tear tape structure and said
11 opening; said reclosable fastener structure extending past
12 said tear tape structure and into said fold structure; said
13 reclosable bag capable of being filled with at least one
14 food product.

1 30. A reclosable bag for filling with at least one food
2 product, said reclosable bag comprising: at least one sheet
3 of web material having at least one fold structure
4 presenting at least two sidewall structures having inside
5 surfaces, and an opening located generally opposite said
6 fold structure; a reclosable fastener structure including
7 an integral skirt structure comprising a web material
8 extending therefrom and including opposed distal margin
9 structures; said web material of said integral skirt
10 structure being sealed to said inside surfaces at a
11 plurality of predetermined sealing areas; a barrier web
12 material extending between and coupled to said distal margin
13 structures.

1 31. The reclosable bag of claim 30 wherein said barrier
2 web material extends between and is coupled to said sidewall
3 structures.

1 32. The reclosable bag of claim 31 wherein said barrier
2 web material is coupled to at least one of said sidewall
3 structures by at least one peelable seal.

1 33. The reclosable bag of claim 30 wherein said
2 predetermined sealing areas are located on said respective
3 sidewall structures.

1 34. The reclosable bag of claim 30 wherein said barrier
2 web material is coupled to said predetermined sealing areas
3 by at least one peelable seal.

1 35. The reclosable bag of claim 30 wherein said barrier
2 web material includes at least one area of structural
3 weakness extending generally parallel to said predetermined
4 sealing areas.

1 36. The reclosable bag of claim 31 wherein said barrier
2 web material includes at least one area of structural
3 weakness extending generally parallel to said predetermined
4 sealing areas.

1 37. A reclosable bag for filling with at least one food
2 product, said reclosable bag comprising: at least one sheet
3 of web material including at least one predetermined tear
4 area, at least one fold structure, and an opening located
5 generally opposite said fold structure; a reclosable
6 fastener structure including at least one integral skirt
7 structure of skirt web material extending therefrom; said
8 integral skirt structure including at least one distal
9 margin; said distal margin being coupled to said web
10 material at, at least one location between said tear area
11 and said opening; said reclosable fastener structure
12 extending past said tear area and into said fold structure;
13 said reclosable bag capable of being filled with at least
14 one food product.

1 38. The reclosable bag of claim 37 further including at
2 least one header material located in a predetermined area
3 of said fold structure.

1 39. The reclosable bag of claim 38 wherein said header
2 material includes at least one edge structure adjacent said
3 tear area.

1 40. The reclosable bag of claim 37 further including at
2 least one tear tape structure coupled to said web material
3 and adjacent to said tear area.

1 41. A reclosable bag for filling with at least one food
2 product, said reclosable bag comprising: at least one sheet
3 of web material having a propensity to tear along at last
4 two predetermined tear areas; having at least one fold
5 structure located between and defined by said two tear
6 areas, and an opening located generally opposite said fold
7 structure; a reclosable fastener structure including a skirt
8 structure of skirt web material extending therefrom; said
9 skirt structure including a distal margin; said distal
10 margin being coupled to said web material at, at least one
11 location between said two tear areas and said opening; said
12 reclosable fastener structure extending past said two tear
13 areas and into said fold structure; said reclosable bag
14 capable of being filled with at least one food product
15 through said opening.

1 42. The reclosable bag of claim 41 wherein the skirt web
2 material is integral to the reclosable fastener structure.

1 43. The reclosable bag of claim 41 wherein the skirt web
2 material is coupled to the reclosable fastener structure.

1 44. The reclosable bag of claim 41 wherein the integral
2 skirt includes an outside surface and an inside surface; the
3 distal margin being located on the outside surface; the
4 inside surface including predetermined area having a
5 releasable adhesive material thereon; whereby a peelable
6 seal may be formed.

1 45. The reclosable bag of claim 41 wherein the peelable
2 seal, when formed, is hermetic.

0974275-013001

1 46. The reclosable bag of claim 41 wherein said web
2 material of said reclosable bag is substantially comprised
3 of a sheet of a parent film material having predetermined
4 dimensions.

1 47. The parent film material of claim 46 wherein the tear
2 areas are integral to said parent film.

1 48. The reclosable bag of claim 41 wherein said tear areas
2 extend linearly across a predetermined dimension of said
3 sheet of web material.

1 49. The reclosable bag of claim 48 wherein the
2 predetermined dimension is width.

1 50. The reclosable bag of claim 48 wherein the
2 predetermined dimension is length.

1 51. The reclosable bag of claim 41 wherein said tear areas
2 extend nonlinearly across a predetermined dimension of said
3 sheet of said web material.

09/12/95 04:00
FOUO FOUO S224660

1 52. The reclosable bag of claim 51 wherein the
2 predetermined dimension is width.

1 53. The reclosable bag of claim 51 wherein the
2 predetermined dimension is length.

1 54. The reclosable bag of claim 41 wherein said tear areas
2 extend across a predetermined dimension of said sheet of web
3 material in a predetermined pattern.

09742-1000

1 58. The reclosable bag of claim 41 wherein said sheet of
2 web material is comprised of a multiple laminate film.

1 59. The reclosable bag of claim 58 wherein at least one
2 layer of said multiple laminate film material includes said
3 tear areas.

1 60. The reclosable bag of claim 59 wherein said tear areas
2 are hermetic.

FOOTNOTES

0974275 043004
FOOTED 52460

1 61. A reclosable bag for filling with at least one food
2 product, said reclosable bag comprising: at least one sheet
3 of web material having at least one fold structure located
4 between at least two predetermined areas having a propensity
5 to tear in a predetermined direction and presenting at least
6 two sidewall structures having inside surfaces, and an
7 opening located generally opposite said fold structure; a
8 reclosable fastener structure, located in said fold
9 structure, including a skirt structure comprising a web
10 material extending therefrom and including opposed distal
11 margin structures; said web material of said integral skirt
12 structure being sealed to said inside surfaces at a
13 plurality of predetermined sealing areas.

1 62. The reclosable bag of claim 61 further comprising a
2 barrier web material extending between and coupled to said
3 distal margin structures.

1 63. A method of manufacturing a reclosable bag for filling
2 with at least one food product, said reclosable bag
3 comprising: at least one sheet of web material including a
4 first area of structural weakness and a second area of
5 structural weakness; said sheet of web material including
6 at least one fold structure located between and defined by
7 said first and second areas of structural weakness, and a
8 fill opening; said sheet of web material including a first
9 panel coupled to said fold structure adjacent said first
10 area of structural weakness and a second panel coupled to
11 said fold structure adjacent said second area of structural
12 weakness; a reclosable fastener structure including a male
13 track structure and a female track structure; said male
14 track structure including a first fin structure of web
15 material extending therefrom and said female track structure
16 including a second fin structure of web material extending
17 therefrom; each said fin structure including a predetermined
18 coupling portion; said coupling portion of said first fin
19 structure being coupled to said first panel and said
20 coupling portion of said second fin structure being coupled
21 to said second panel; said reclosable fastener structure
22 extending past said areas of structural weakness and into
23 said fold structure; said areas of structural weakness being
24 located below said reclosable fastener structure; said
25 reclosable bag capable of being filled with at least one
26 food product through said fill opening, said method
27 comprising:
28 folding said sheet of web material along a
29 predetermined folding area located between said areas of
30 structural weakness to form said fold structure;
31 inserting said reclosable fastener into said fold
32 structure;
33 coupling said distal margin of said integral skirt

34 structure to said web material;
35 sealing said web material along at least two
36 predetermined linear areas located generally perpendicular
37 to said fold structure;
38 filling said reclosable bag with at least one food product
39 through said opening; and sealing said opening.

1 64. The method of claim 63 wherein the step of sealing
2 said web material along at least two predetermined linear
3 areas occurs last.

1 65. The method of claim 63 wherein the first step is
2 coupling at least one predetermined portion of said distal
3 margin of said integral skirt structure to at least one
4 predetermined portion of said web material prior to folding
5 said sheet of web material.

1 66. The method of claim 63 including the further step of
2 inserting and sealing a header material into said
3 predetermined fold area at least prior to the step of
4 sealing said web material along at least said two
5 predetermined linear areas.

1 67. The method of claim 63 including the further step of
2 inserting and sealing at least one tear structure into said
3 predetermined fold area at least prior to the step of
4 sealing said web material along at least said two
5 predetermined linear areas.

1 68. The method of claim 63 including the further step of
2 sealing a predetermined portion of said fold structure and
3 forming a header structure; said further step being
4 subsequent to said step of folding said sheet of web
5 material along a predetermined folding area located between
6 said areas of structural weakness to form said fold
7 structure.

1 69. A method of manufacturing a reclosable bag for filling
 2 with at least one food product, said reclosable bag
 3 including at least one sheet of web material having at least
 4 one predetermined tear area, at least one fold structure,
 5 and an opening located generally opposite said fold
 6 structure; a reclosable fastener assembly including at least
 7 one integral skirt structure of skirt web material extending
 8 therefrom; said integral skirt structure including at least
 9 one distal margin; said distal margin being coupled to said
 10 web material at, at least one location between said tear
 11 area and said opening; said reclosable fastener structure
 12 extending past said tear area and into said fold structure;
 13 said reclosable bag capable of being filled with at least
 14 one food product, said method comprising: folding said sheet
 15 of web material along a predetermined folding area to
 16 produce said fold structure; inserting said reclosable
 17 fastener assembly into said fold structure; coupling said
 18 distal margin of said integral skirt structure to said web
 19 material; sealing said web material along at least two
 20 predetermined linear areas located generally perpendicular
 21 to said fold structure; filling said reclosable bag with
 22 at least one food product through said opening; and sealing
 23 said opening.

1 70. The method of claim 69 wherein the step of sealing
 2 said web material along at least two predetermined linear
 3 areas occurs last.

1 71. The method of claim 69 wherein the first step is
2 coupling at least one predetermined portion of said distal
3 margin of said integral skirt structure to at least one
4 predetermined portion of said web material prior to folding
5 said sheet of web material.

1 72. The method of claim 69 including the further step of
2 inserting and sealing a header material into said
3 predetermined fold area at least prior to the step of
4 sealing said web material along at least said two
5 predetermined linear areas.

1 73. The method of claim 69 including the further step of
2 inserting and sealing at least one tear structure into said
3 predetermined fold area at least prior to the step of
4 sealing said web material along at least said two
5 predetermined linear areas.

1 74. The method of claim 69 including the further step of
2 sealing a predetermined portion of said fold structure and
3 forming a header structure; said further step being
4 subsequent to said step of folding said sheet of web
5 material along a predetermined folding area located between
6 said areas of structural weakness to form said fold
7 structure.

1 75. A reclosable bag for filling with at least one food
2 product, said reclosable bag comprising: at least one sheet
3 of web material including at least two areas of structural
4 weakness, having at least one fold structure located between
5 and defined by said two areas of structural weakness, and
6 an opening located generally opposite said fold structure;
7 a reclosable fastener structure including a skirt structure
8 of skirt web material extending therefrom; said skirt
9 structure including a distal margin; said distal margin
10 being coupled to said web material at, at least one location
11 between said areas of structural weakness and said opening;
12 said reclosable fastener structure extending past said areas
13 of structural weakness; said reclosable bag capable of being
14 filled with at least one food product through said opening.

1 76. The reclosable bag of claim 75 wherein said reclosable
2 fastener structure extends over said fold structure.

1 77. The reclosable bag of claim 75 wherein the skirt web
2 material is integral to the reclosable fastener structure.

1 78. The reclosable bag of claim 75 wherein the skirt web
2 material is coupled to the reclosable fastener structure.

1 79. The reclosable bag of claim 75 wherein the web
2 material includes an outside surface and an inside surface;
3 the inside surface including a predetermined area having a
4 releasable adhesive material thereon; whereby a peelable
5 seal may be formed.

1 80. The reclosable bag of claim 79 wherein the peelable
2 seal, when formed, is hermetic.

1 81. The reclosable bag of claim 75 wherein said web
2 material of said reclosable bag is substantially comprised
3 of a sheet of a parent film material having predetermined
4 dimensions.

1 82. The parent film material of claim 81 wherein the areas
2 of structural weakness are integral to said parent film.

FOOTNOTES

1 83. The reclosable bag of claim 75 wherein said areas of
2 structural weakness extend linearly across a predetermined
3 dimension of said sheet of web material.

1 84. The reclosable bag of claim 83 wherein the
2 predetermined dimension is width.

1 85. The reclosable bag of claim 83 wherein the
2 predetermined dimension is length.

FOUO 524260

1 86. The reclosable bag of claim 75 wherein said areas of
2 structural weakness extend nonlinearly across a
3 predetermined dimension of said sheet of said web material.

1 87. The reclosable bag of claim 86 wherein the
2 predetermined dimension is width.

1 88. The reclosable bag of claim 86 wherein the
2 predetermined dimension is length.

1 89. The reclosable bag of claim 75 wherein said areas of
2 structural weakness extend across a predetermined dimension
3 of said sheet of web material in a predetermined pattern.

1 90. The reclosable bag of claim 75 wherein said areas of
2 structural weakness comprise perforations.

1 91. The reclosable bag of claim 75 wherein said areas of
2 structural weakness comprise scoring.

09/02/95 04:00:04

1 92. The reclosable bag of claim 75 wherein said areas of
2 structural weakness comprise microperforations.

1 93. The reclosable bag of claim 75 wherein said sheet of
2 web material is comprised of a multiple laminate film.

1 94. The reclosable bag of claim 93 wherein said multiple
2 laminate film includes at least one layer of material
3 comprising a tear path.

1 95. The reclosable bag of claim 94 wherein said tear path
2 is hermetic.

1 96. A reclosable bag for filling with at least one food
2 product, said reclosable bag comprising: at least one sheet
3 of web material including at least two areas of structural
4 weakness, having at least one fold structure located between
5 and defined by said two areas of structural weakness, and
6 an opening located generally opposite said fold structure;
7 a reclosable fastener structure including a skirt structure
8 of skirt web material extending therefrom; said skirt
9 structure including a distal margin; said distal margin
10 being coupled to said web material at, at least one location
11 between said areas of structural weakness and said opening;
12 said reclosable fastener structure extending past said areas
13 of structural weakness and over said fold structure; said
14 reclosable bag capable of being filled with at least one
15 food product through said opening.

1 97. The reclosable bag of claim 96 wherein the skirt web
2 material is integral to the reclosable fastener structure.

1 98. The reclosable bag of claim 96 wherein the skirt web
2 material is coupled to the reclosable fastener structure.

1 99. The reclosable bag of claim 96 wherein the web
2 material includes an outside surface and an inside surface;
3 the inside surface including a predetermined area having a
4 releasable adhesive material thereon; whereby a peelable
5 seal may be formed.

1 100. The reclosable bag of claim 99 wherein the peelable
2 seal, when formed, is hermetic.

FOUO 03/24/2000

1 101. The reclosable bag of claim 96 wherein said web
2 material of said reclosable bag is substantially comprised
3 of a sheet of a parent film material having predetermined
4 dimensions.

1 102. The parent film material of claim 101 wherein the
2 areas of structural weakness are integral to said parent
3 film.

1 103. The reclosable bag of claim 96 wherein said areas of
2 structural weakness extend linearly across a predetermined
3 dimension of said sheet of web material.

1 104. The reclosable bag of claim 103 wherein the
2 predetermined dimension is width.

1 105. The reclosable bag of claim 103 wherein the
2 predetermined dimension is length.

1 106. The reclosable bag of claim 96 wherein said areas of
2 structural weakness extend nonlinearly across a
3 predetermined dimension of said sheet of said web material.

097429-01001
PAGE TWO

1 107. The reclosable bag of claim 106 wherein the
2 predetermined dimension is width.

1 108. The reclosable bag of claim 106 wherein the
2 predetermined dimension is length.

1 109. The reclosable bag of claim 96 wherein said areas of
2 structural weakness extend across a predetermined dimension
3 of said sheet of web material in a predetermined pattern.

0974275-013004

1 110. The reclosable bag of claim 96 wherein said areas of
2 structural weakness comprise perforations.

1 111. The reclosable bag of claim 96 wherein said areas of
2 structural weakness comprise scoring.

1 112. The reclosable bag of claim 96 wherein said areas of
2 structural weakness comprise microperforations.

097425 03001
"008T0" 5224260

1 116. A reclosable bag for filling with at least one food
2 product, said reclosable bag comprising: at least one sheet
3 of web material, at least one tear tape structure, at least
4 one fold structure, and an opening located generally
5 opposite said fold structure; a reclosable fastener
6 structure including at least one integral skirt structure
7 of skirt web material extending therefrom; said integral
8 skirt structure including at least one distal margin; said
9 distal margin being coupled to said web material at, at
10 least one location between said tear tape structure and said
11 opening; said reclosable fastener structure extending past
12 said tear tape structure and over said fold structure; said
13 reclosable bag capable of being filled with at least one
14 food product.

1 117. A reclosable bag for filling with at least one food
2 product, said reclosable bag comprising: at least one
3 sheet of web material including at least one
4 predetermined tear area, at least one fold structure, and
5 an opening located generally opposite said fold
6 structure; a reclosable fastener structure including at
7 least one integral skirt structure of skirt web material
8 extending therefrom; said integral skirt structure
9 including at least one distal margin; said distal margin
10 being coupled to said web material at, at least one
11 location between said tear area and said opening; said
12 reclosable fastener structure extending past said tear
13 area and over said fold structure; said reclosable bag
14 capable of being filled with at least one food product.